**Mathematics End-of-Grade Test Preparation**

**Test Details:**

* 54 Total Questions

**Calculator Active: 27 questions (50%)**

**Calculator Inactive: 27 questions (50%)**

* Multiple-choice questions (Grades 3-5)

|  |  |  |  |
| --- | --- | --- | --- |
| Grade | Total Questions | Calculator Active | Calculator Inactive |
| 3 | 54 | 27 | 27 |
| 4 | 54 | 27 | 27 |
| 5 | 54 | 27 | 27 |
| \*Total will include 10 experimental questions | | | |

* Gridded-Response (Grade 5)
  + 8 items included in the Calculator Inactive Section

**Recommendations:**

* Prepare students for the format of the test
* Model how to use the blank paper and graph paper
* Ensure students know how to use calculator and practice with sample test items

|  |  |  |  |
| --- | --- | --- | --- |
| **CCSSM Domain** | **Grade 3** | **Grade 4** | **Grade 5** |
| **Operations and Algebraic Thinking** | **30–35%** | **12–17%** | **5–10%** |
| **Number and Operations in Base Ten** | **5–10%** | **22–27%** | **22–27%** |
| **Number and Operations—Fractions** | **20–25%** | **27–32%** | **47–52%** |
| **Measurement and Data** | **22–27%** | **12–17%** | **10–15%** |
| **Geometry** | **10–15%** | **12–17%** | **2–7%** |

* Purposefully plan and design test preparation (SLAMAR)
* Focus on 2-3 big concepts: (Consider the *Major Work of the Grade*)

3rd – Multiplication (connected to Algebra), Fractions, & Area/Perimeter

4th – Fractions, Multiplication/Division

5th – Fractions & Decimals

* Practice sample EOG test items
  + Released Items, SchoolNet, Unpacking Document, Test Prep Books & Samples, Websites
* Help students analyze test questions and pick distractors
* Encourage students to analyze why they missed assessment items (careless mistakes, missed a step, selected a distractor, misunderstood problem, failed to read the problem carefully, rushed through problem, etc.)
* Select review problems carefully to illustrate:
  + Types of questions
  + Format of questions
  + Distractors & answer choices
  + Vocabulary
  + Importance of pictures & representations
  + Need to write in test booklet
  + Use of graph/blank paper
* Involve students in creating answer choices and test questions
* Motivate students with songs, cheers, posters, and pep rallies





* Review math vocabulary
* Promote engagement during test review (number fans, letter fans, whiteboards, pinch cards, response cards)
* Play meaningful review games



**Websites:**

* NC Public Schools Accountability

<http://www.ncpublicschools.org/accountability/testing/>

* NC Public Schools Accountability FAQs & Gridded Response Practice

<http://www.ncpublicschools.org/accountability/testing/generalinfo>

* Released EOG Tests

<http://dpi.state.nc.us/accountability/testing/releasedforms>

* NC DPI Math Wiki

<http://maccss.ncdpi.wikispaces.net/home>

* Randolph County K-5 Instruction Wiki

<http://randolphk-5instruction.wikispaces.com/>

* Engage NY

Annotated 2013 3-8 ELA and Mathematics State Test Questions

<http://www.engageny.org/resource/new-york-state-common-core-sample-questions>

* NAEP Question Tool

<http://nces.ed.gov/nationsreportcard/itmrlsx/default.aspx>)

* Illustrative Mathematics Website

<http://illustrativemathematics.org/>

* Smarter Balanced Assessment Consortium

[www.smarterbalanced.org](http://www.smarterbalanced.org)

* Smarter Balanced Item Specifications & Samples

<http://www.smarterbalanced.org/smarter-balanced-assessments/#item>

<http://www.smarterbalanced.org/assessments/sample-questions/>

* K-5 Math Teaching Resources

<http://www.k-5mathteachingresources.com/>

* Vocabulary Cards:

<http://www.ncesd.org/Page/983>

* Vocabulary Strategies & Games:

<http://wvde.state.wv.us/strategybank/vocabulary.html>

<http://www.vocabulary.co.il/>

<http://www.brainflips.com/home.html>

<http://quizlet.com/>

* Game Templates:

[www.teach-nology.com](http://www.teach-nology.com)

<http://www.toolsforeducators.com/>

* PowerPoint Templates for Games:

<http://people.uncw.edu/ertzbergerj/ppt_games.html>

<http://www.jc-schools.net/?DivisionID=15672&DepartmentID=16520&SubDepartmentID=7612&ToggleSideNav=ShowAll>